



ANSI Type 2 Optical Probe with with DTR Switch and 12-pin Hirose connector wired for the Itron G5, FC200 and FC300 hand-held computers.

A8R-P-H12M-1	1 metre cable
A8R-P-H12M-2	2 metre cable
A8R-P-H12M-3	3 metre cable

The ABACUS ELECTRICS model A8R ANSI optical probe is a bi-directional interface utilising infra-red light. Connecting to the serial port of the Itron G5, FC200 and FC300 hand-held computers it permits galvanically isolated communication with as specified in ANSI C12.18-2006.

The probe utilises the +5 volt power source provided by the Itron computer. Low power circuitry within the probe conserves battery power.

The A8R probe uses 'the virtual serial port' Data Terminal Ready (DTR) signal as a software controlled switch to enable the reading of meters such as the Landis + Gyr Quad 4+ and MAXsys 2510.

Specification:

Signal Levels:	Compatible with EIA232D and V28
Maximum Data Rates:	57600 bits/second
Power Supply:	+4.5 to +5.5 volts – 25mA maximum
DTR Switching:	DTR negative: Normal mode, ANSI C12.18-2006 compliant DTR positive: Landis + Gyr (Siemens) compatible mode
Lead:	1, 2 or 3 metre extra-flexible cable, captive at probe
Connector:	12-pin Hirose HR10A connector wired for Itron hand-held computer
Fastening:	Magnetic adhesion
Optical:	Compatible with ANSI C12.18-2006
Mechanical:	High impact ABS housing, dimensions compatible with ANSI C12.18-2006

Manufactured in the United Kingdom
by ABACUS ELECTRICS

Conforms to European Directives:
89/336/EEC (Electromagnetic Compatibility)
73/23/EEC (Low Voltage Directive)

